



NATIONAL POISONS INFORMATION 13 11 26

VOCO

Material-Safety Data Sheet (Directive 91/155/EEC)

1	<p><u>Names of Material, Preparation and Company</u> trade name: Vococid gel/liquid manufacturer/supplier: VOCO GmbH address: Anton-Flettner-Str. 1-3 D - 27472 Cuxhaven information sector: Scientific Department emergency information: Scientific Department</p> <p style="text-align: right;">Tel.: +49-4721/71 9 - 0 Fax: +49-4721/71 9 - 109 Tel.: +49-47 21/71 9 - 0 emergency call: +49-47 21/71 9 - 0</p>										
2	<p><u>Composition/Details on Components</u> preparation: mixture of phosphoric acid, water, dyestuff and additives description: etching agent for the acid etch technique hazardous ingredients:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">name</th> <th style="text-align: left;">CAS-No.</th> <th style="text-align: left;">content</th> <th style="text-align: left;">danger symbol</th> <th style="text-align: left;">R-categories</th> </tr> </thead> <tbody> <tr> <td>phosphoric acid</td> <td>7664-38-2</td> <td>35-39 %</td> <td>C</td> <td>34</td> </tr> </tbody> </table>	name	CAS-No.	content	danger symbol	R-categories	phosphoric acid	7664-38-2	35-39 %	C	34
name	CAS-No.	content	danger symbol	R-categories							
phosphoric acid	7664-38-2	35-39 %	C	34							
3	<p><u>Possible Risks</u> designation of risk: Xi, irritant special details of risk (R-categories): 36/37/38 detrimental effects/symptoms: irritant in case of eye, skin and inhalation contact</p>										
4	<p><u>First-Aid-Measures</u> general information: after inhalation: fresh air, in case of indisposition or nausea contact a doctor after skin contact: rinse thoroughly with plenty of water after eye contact: rinse thoroughly with water, contact a doctor after swallowing: contact immediately a physician information for the attending physician: material for dental or laboratory use only</p>										
5	<p><u>Fire Fighting Measures</u> suitable fire extinguishing agents: foam, carbon dioxide, powder fire extinguishers unsuitable fire extinguishing agents: water particular hazards: none fire fighting protective equipment: no data available</p>										
6	<p>Measures in Case of Unintended Release measures related to persons: avoid eye and/or skin contact environmental measures: do not let the material get in contact with sewerage systems procedures of cleaning/uptake: take up mechanically, use common absorbents additional information: none</p>										
7.	<p><u>Handling and Storage</u> 7.1 handling: only by qualified staff in dental offices or dental laboratories instructions for safe handling: see instructions for use instructions on fire and explosion protection: no special measurements are required 7.2 Storage: tightly closed at room temperature demands on storerooms and containers: store in good ventilated rooms and areas indications and prohibitions of storage together with other materials: do not store together with food further details on storage conditions: keep out of the reach of children</p>										

W9 PTY LTD
A.B.N. 82 001 747 271
Unit 1, 27-29 Salisbury Rd
Hornsby NSW 2077 AUSTRALIA

P: (612) 9987 4224
F: (612) 9476 6629
E: sales@w9.com.au



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according to: 91/155/EEC

trade name: Vococid gel/liquid

date: 07.07.95/01

revised on: 06/06/2006



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8		<u>Exposition Restriction and Personal Protective Equipment</u>	
8.1	additional information on the equipment of technical facilities: none		
8.2	components with limiting values related to place of work:		
	CAS-No.	name	kind value unit
additional information: hazards related to place of work are not known.			
8.3	personal protective equipment: dental office or laboratory working clothes		
	breathing protection: do not breath or inhale vapour or dust		
	hand protection: use of protective gloves is recommended		
	eye protection: use of protective glasses is recommended		
	body protection:		
	protective and hygiene measures: washing hands		
9		<u>Physical and Chemical Properties</u>	
9.1	appearance: gel or liquid		
	form: gel or liquid		
	colour: blue		
	odour: slightly specific		
9.2	safety data:	tested acc. to:	
	pH upon delivery:		0.5 – 1.0
	pH of 10g/l H ₂ O and 20°C:		no data available
	change of state:		no data available
	boiling point/area:		no data available °C
	melting point/area:		no data available °C
	flash point:		no data available °C
	inflammability:		no data available
	ignition temperature:		no data available °C
	autoignition:		no data available
	fire advancing properties:		no data available
	explosion hazards:		no data available
	explosion limits: LEL:		UEL: no data available
	vapour pressure (°C)		no data available
	density (°C)		no data available hPa
	bulk density:		no data available
	solubility in water (20°C) (°C):		no data available mg/l
	in (°C)		no data available mg/l
	solubility in fat:		no data available
	distribution coefficient n-octanol/water:		no data available
	viscosity (°C):		no data available
	solvent separation test:		no data available %
	solvent content:		no data available %
9.3	further particulars: none		
10		<u>Stability and Reactivity</u>	
	conditions to be avoided:	none if used in the recommended way	
	materials to be avoided:	strong alkaline hydroxide sol., non-noble metals	
	hazardous products of decomposition:	none if used in the recommended way	
	further particulars:	none	

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11. Toxicological Data						
11.1 toxicological Test: no data available						
acute toxicity: no data available						
LD₅₀/LC₅₀:	component	kind	value	species	method of determination	
specific symptoms in animal test:				no data available		
irritant effect/corrosive action:				no data available		
sensitization:				no data available		
effects of repeated exposure or overexposure (subacute or chronic toxicity):				no data available		
carcinogenic and mutagenic effects hazardous to reproduction:				no data available		
other particulars:				no data available		
11.2 practical experience:						
observations relevant to classifications:						
other observations:						
11.3 general remarks: during long-standing product application risks have not become known.						
12 Ecological Data						
12.1 information on elimination: no data available						
procedure	analytic method	degree of elimination			classification	
evaluation: no data available						
additional information: no data available						
12.2 behaviour in environmental compartments: no data available						
mobility and bioaccumulation potential: no data available						
additional information: none						
12.3 environmental toxic effects: no data available						
aquatic toxicity: no data available						
organism	test period	test method	result	assessment		
behaviour in sewage plants: no data available						
respiratory inhibition of local vitalised sludge: no data available						
12.4 additional information: none						
CSB-value: no data available mg/g						
BSB₅-value: no data available mg/g						
AOX-indication: no data available						
contains the following heavy metals and compounds (corresponding to guideline 76/464/EWG) according to preparation formula: none						
general information: none						
13 Disposal Instructions						
13.1 product:						
recommendation: obey local and governmental regulations						
waste category	waste name				accountability	
13.2 uncleaned packing material:						
recommendation: obey local and governmental regulations						
cleaning agents: obey local and governmental regulations common cleansing agents for the laboratory						

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<p>14 Particulars on Transport</p> <p>14.1 land carriage: ADR/RID/GGVS/GGVE-class: 8 figure/letter: 17c material no.: warning label: C risk no.: designation of goods: corrosive remarks:</p> <p>14.2 inland transport by ship: ADN/ADNR-class: 8 figure/letter: 17c category: designation of goods: corrosive remarks:</p> <p>14.3 see transport: IMDG/GGV sea class: 8/III UN-No.: 1805 PG: EMS: MFAG: marine pollutant: correct technical name: phosphoric acid remarks:</p> <p>14.4 air transport: ICAO/IATA-class: 8 UN/ID-No.: 1805 PG: correct technical name: phosphoric acid remarks:</p> <p>14.5 further particulars: No hazardous goods within the meaning of transport regulations in quantities < 100 ml</p>
<p>15 Regulation</p> <p>15.1 marking: acc. to governmental regulations concerning declaration of dangerous chemicals a marking is prescribed danger symbol and designation: C, corrosive contains: phosphoric acid R-categories: 34 S-categories: 26-36/37/39-45 special marking of particular preparations: none</p> <p>15.2 national regulations: acc. to article 10 of Directive 66/379 EEC and 67/548 EEC restrictions of employment: none instructions in case of interference: none classification acc. VbF: not applicable technical instruction air: not applicable water pollution class: 1 other regulations, restrictions and prohibitions: Directive 91/155 EEC; medical product acc. to 93/42 EEC (medical products).</p> <p>16 Other Particulars All information above has been given according to our present state of knowledge. It has been compiled to the best of our knowledge. The above -mentioned data do not represent a guarantee on characteristics. They only describe the safety requirements with regard to our products. They do not represent an assurance of product characteristics in the meaning of guarantees.</p>

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